

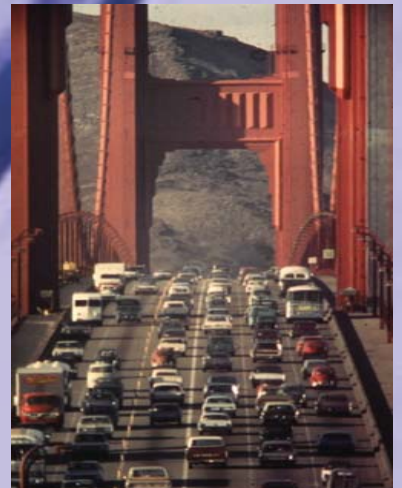
Rita E. Daguiard
Director, Office of Research Management
Federal Transit Administration
U.S. Department of Transportation

Japan International Transport Institute
Seminar on Environmentally Friendly Commute
Washington, DC
October 27, 2006



Congestion: A Growing Problem

- Delays:
 - 62 Hours (8 working days) wasted in peak period travel
 - Urban roads congested seven hours a day
 - 60% of urban roads congested



Congestion: A Growing Problem

- Costs:
 - \$100 Billion in lost hours, wasted fuel
 - &71.5 Billion in lost wages + productivity due to car accidents
- Pollution:
 - Motor vehicles emit probable carcinogens, such as benzene



DOT Congestion Mitigation Initiative

- Launched in May 2006
- Provides framework in which Government, private sector, and citizens can fight congestion
- FTA focus on offering alternatives to single passenger commute



Transit is a Solution

- Relieves traffic congestion
- Provides a less costly travel option
- Supplies more capacity in dense areas
- Increases mobility for people with limited auto access



Transit is a Solution

- Reduces energy consumption
- Improves air quality
- Saves lives
- Promotes healthier lifestyle
- Improves the economy



Boom in Transit Ridership

- Ridership increased by 3.2% in the first six months of this year
- Since 1995, ridership is up by 23%
- 9.6 Billion trips annually, 33 million each weekday



Bus Ridership Growing

- 4.5% increase in the first quarter of 2006
- Some cities showing double-digit gains
 - Detroit (18.7%)
 - San Antonio (13.8%)
 - Houston (10.8%)



Growth in Commuter Rail

- Today, there are 20 metro areas with commuter rail versus 12 in 1970



A Steady increase in Heavy Rail

- There are 14 heavy rail systems in 11 metro areas today



A Boom in Light Rail

- From 7 to 27 systems since 1970
- 996 Directional routes miles open
- 160 miles of light rail are currently under construction



New Solutions: Bus Rapid Transit (BRT)

- Combines quality of rail with flexibility of buses
- BRT projects in 17 U.S. cities
- Reduces Greenhouse gas emissions



Characteristics of BRT

- Issued by FTA in August 2004
- Summarizes BRT applications throughout the U.S. and globally
- FTA conducts BRT seminars around the country and around the world



Alternative Fuels

- Energy Policy Act of 2005 includes new alternative fuel programs
- New clean diesel engines produce less emissions
- CNG, Hybrid buses replacing diesel
- FTA supports implementation of clean bus technologies

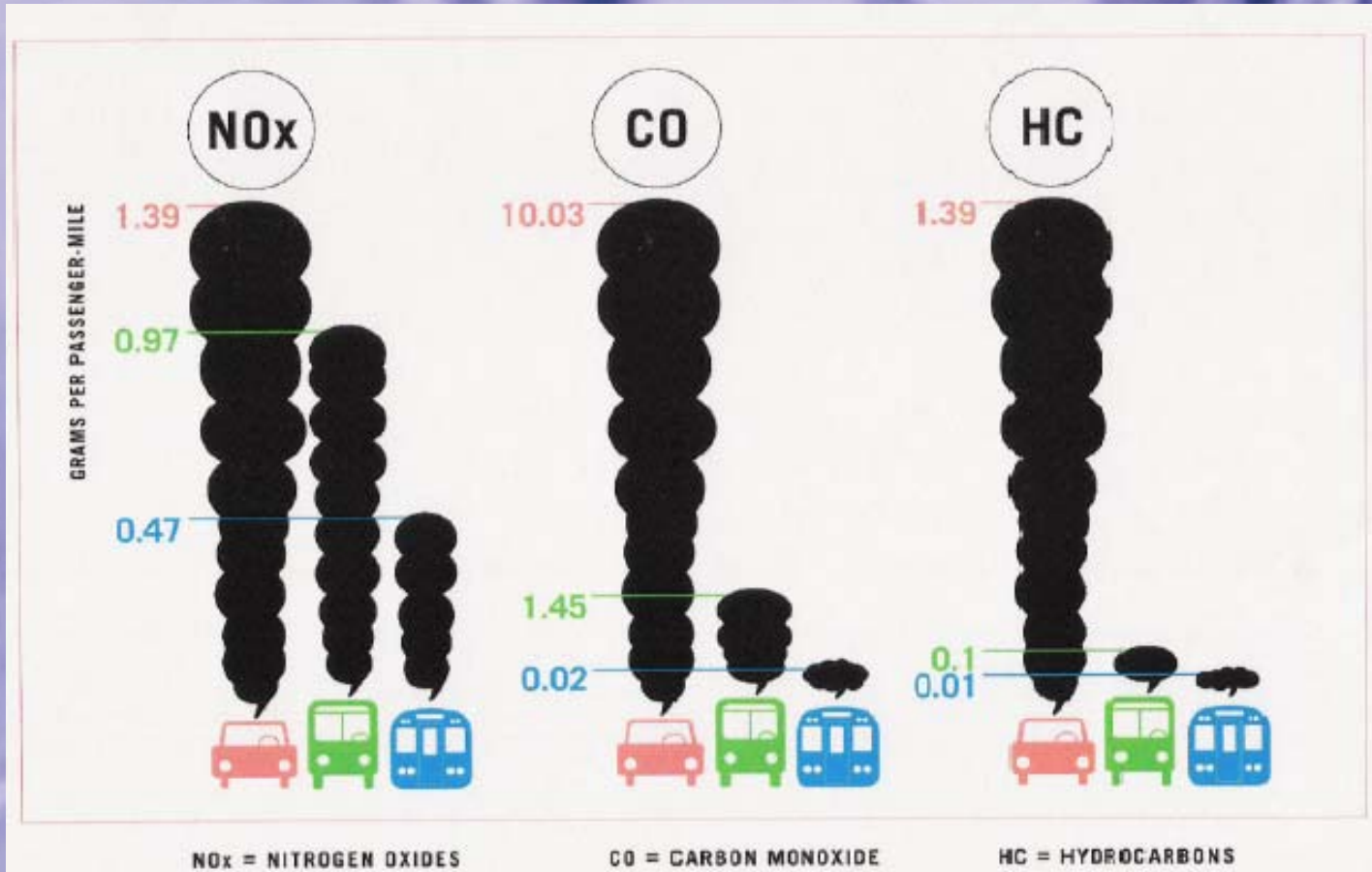


Fuel Cell Technologies

- Fuel cells produce zero emissions
- \$49 Million national fuel cell bus technology development program supports commercialization of the fuel cell bus
- 14 separate projects, managed by 3 regional consortiums



Transit: The Pollution Solution



International Cooperation

- Bus Rapid Transit project within the Asia Pacific Partnership
- Asia-Pacific Economic Cooperation Transportation Experts Working Group
- U.S./Japan Transportation Experts Meeting
- Personnel Exchanges with Japan

